

Abbee

Lively in Single Touch

V53T GPS Full HD Car Camera Recorder



Capacitive
Touch Screen



Lane Departure
Warning



Speed Cam
Alert



Full HD 1080P



2.7" LCD Display



Capacitive
Touch Screen



Driver Fatigue
Alarm



Lane Departure
Warning



GPS Route
Tracking



All Glass Lens



Speed Cam
Alert



Speed Monitoring



G-Sensor

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About

The content of this manual is for reference only. The producer retains the rights to adjustment without prior notice. We keep working on the accuracy and completeness of our manual. Feel free to contact us if you find anything lacking.

FCC Statement

In accordance with Part 15 of the FCC Rules, our device has been tested and proven to comply with the limits for a Class B digital device. The limits are set to prevent against harmful interference in a residential installation.

Complying with Part 15 of the FCC Rules, our device operation satisfies the following conditions: (1) Device does not cause harmful interference, and (2) must accept any interference received, including such that may cause undesired operation.

Our device is FCC approved to cause no interference with other in-car electronics.

FCC Caution: Any unauthorized changes or modifications could void the user's rights to safe and correct operation of the device.

CE and RoHS Statement

Our device is CE certified and thus complies with the requirements set forth in the Council Directives on the Approximation of the Laws of the Member States relating Electromagnetic Compatibility(2004/108/EC).

Restriction of Hazardous Substance(2002/95/EC) is a directive set forth by the European Union concerning the usage of 6 harmful substances including lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ether. The production process of our device complies with RoHS standards.

1. Product

Thank you for purchasing Abee V53T GPS Full HD car camera recorder. Our company is dedicated to providing innovative, high quality electronics to our customers. This device functions as a video and audio recorder in the car and on condition that its built-in battery is fully charged, it also supports off-car usage.

1.1 Features

- Full HD 1080P @ 30fps, recording each second of your journey
- Cutting edge technology DSP with built-in noise reduction for better image quality
- New generation low-light CMOS image sensor
- 2.7" 16:9 capacitive touch screen for easier and more intuitive operation
- 140° flat wide angle lens for a broader view
- All glass lens providing high light transmittance enhances image quality even under dim light
- GPS tracking function recording driving time, speed, direction and coordinates
- Fixed point speed cam alert watching out for speed cam and avoid speeding
- Supporting manual registration of speed cam point up to 200 entries
- Customized speed limit to alert driving when driving faster than the self-set speed limit
- Speed limit alert margin available for higher flexibility
- Snapshot during recording possible
- LDWS (Lane Departure Warning System) issuing alert if diverting from the original lane while driving at 50km/h
- Select either recording for 3 or 5 min interval
- Emergency recording protecting important files from being overwritten
- G-Sensor(X/Y/Z) 3-axis collision detection with high/mid/low sensitivity to activate emergency recording when collision detected
- HDMI high resolution output to be connected directly to televisions
- Automatic recording according to engine status

- Saving file automatically upon turned off
- High temperature resistant to ensure user safety
- Built-in high temperature resistance lithium polymer battery supporting off-car recording
- Compatible with micro SDHC card up to 32GB
- Exclusive DVR player showing video, map, driving direction and G-sensor data at the same time
- CE/FCC/BSMI certified, no interference with in-car devices and GPS
- Compliance with RoHS

Attention

Usage

- Please use Class 10 or above micro SDHC card to avoid image lagging.
- When setting up the device for the first time, please do not record at the same time.
- Please use original Abee bracket and accessories for V53T.
- In vehicles which power to the cigarette lighter remains on after the engine has been turned off, please remove the cigarette lighter plug to avoid draining your car battery or other accidents.
- After the car engine has stopped, the power supply been cut off, or any event that interrupts the power supply occurs, the built-in battery allows continuous recording to the memory card. Do not remove the micro SDHC memory card or the file might be damaged.
- Do not connect the device directly to the power source on the car. A setup this way will render the warranty void.
- The device might slightly heat up when used for a long period of time. This phenomenon is normal.
- Do not disassemble or modify the device. Simply consult the dealer or our customer service center when encountering problem with the device.
- Do not drop or subject the device to blows or force. Do not press hard on the touch screen. This may damage the device or cause it to malfunction.

- Driving safety should always come first. Please do not operate this device while driving.
- The current speed, direction, current distance to the fixed speed cam position and other values derived from the device calculation might vary slightly and are for reference only.
- The driving safety calculation is for reference only. Please drive according to local traffic rules and actual traffic situation.
- GPS positioning result is for reference only. The accuracy of this function is subject to weather, location and other external factors. Please note that GPS signals cannot go through buildings and window films containing metallic substances.
- Please avoid contact with water and make sure both hands are dried when operating the device.
- Please avoid cleaning the product with cleanser containing strong acid or alkaline.
- Please follow local regulations when disposing the device and its built-in battery.
- For correct usage, please read the user manual carefully.

Micro SDHC memory card

1. Please use micro SDHC memory card Class 10 or above supporting up to 32GB.
2. Please format the card via the device before use.

※Please do not insert or extract the memory card while the device is in operation.

1.2 Content

device	bracket	car charger	
			
USB cable	user manual	CD with DVR player	warranty card
			

1.3 Appearance

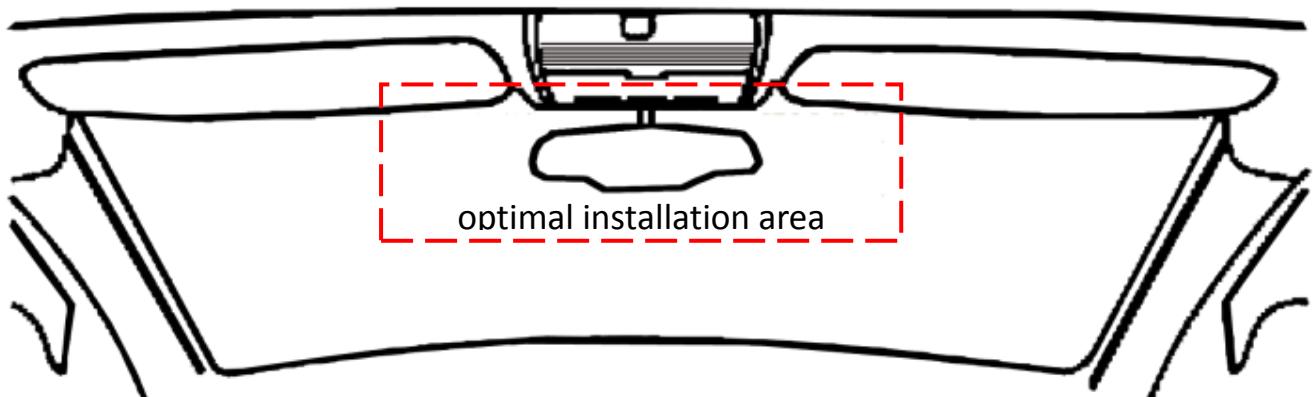


No.	Description	No.	Description
1	bracket socket	6	microphone
2	Mini USB connector port	7	lens
3	Recording indicator	8	Memory card slot
4	GPS module	9	ON/OFF key
5	loudspeaker	10	Capacitive touch screen

2. Installation Guide

2.1 Installation in Car

- Install your product as close as possible to the rearview mirror in your car to get the best view, as illustrated.
- To ensure clear recording in rains, please install the device within the range of windshield wipers.
- Please avoid hindrance of the safety airbag operation.
- Wipe clean the selected area and the suction cup prior to installation.
- Do not touch the lens lest the finger grease smudges the lens and thus affects recording quality; use exclusive cloth for cleaning lens with lens whenever necessary.
- Do not install on colored windshield, which affects recording quality.

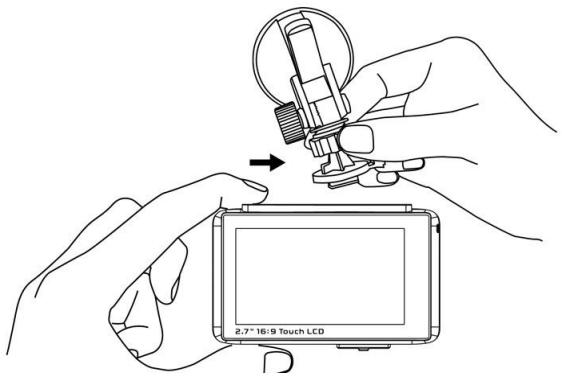


※ Warning

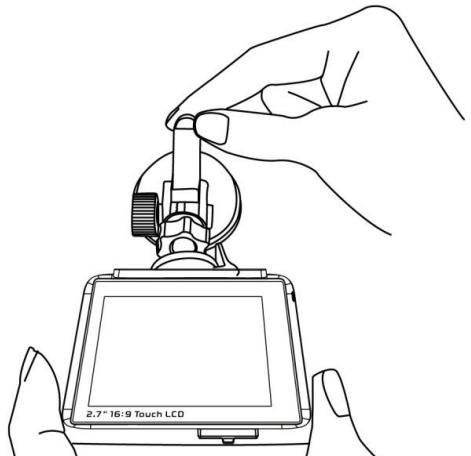
Do not install Abee products over an air bag cover or within the air bag deployment zone. The company assumes no responsibility or liability for injury or death as a result of car crashes and/or air bag deployment.

2.2 Device Installation

- 1、To attach the bracket to the device, slide the bracket into the bracket slot until a click sound appears.

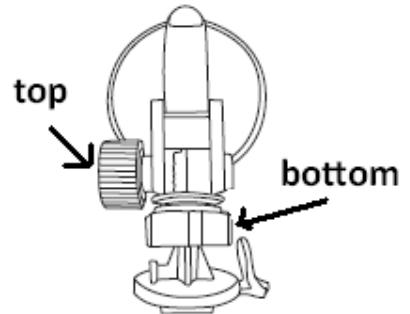


- 2、To attach the device on the windshield, put the suction cup onto the windshield and press down the clamp.



- 3、Make sure the bracket has been firmly installed.

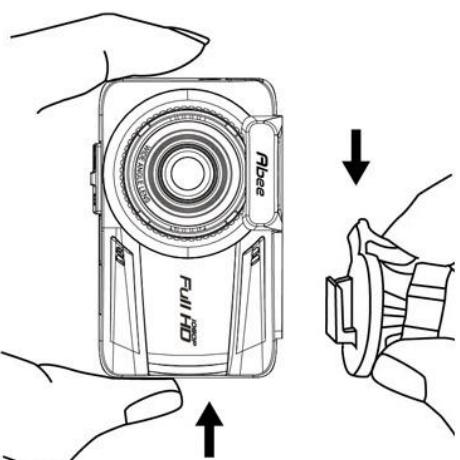
- 4、To adjust the vertical angle, loosen the top knob; to swivel the device horizontally, unscrew the bottom knob screw.



- 5、Screw back tightly to secure recording angle.

- 6、To disconnect the suction cup and the windshield, pull down the clamp. Make sure the device is securely in your hand in advance.

- 7、To disconnect the bracket and the device, press on the part on the bracket base that sticks out and push outward while pulling the device inward as shown in the illustration.



2.3 Suggested Cable Installation Route

- 1、 Take the cigarette charger cable upward and set it along the inside seam of car towards the door of the shotgun seat.
- 2、 Tuck the extra cable under the mat if applicable.
- 3、 Coins or other solid objects could be helpful in fixing the cable to its position.



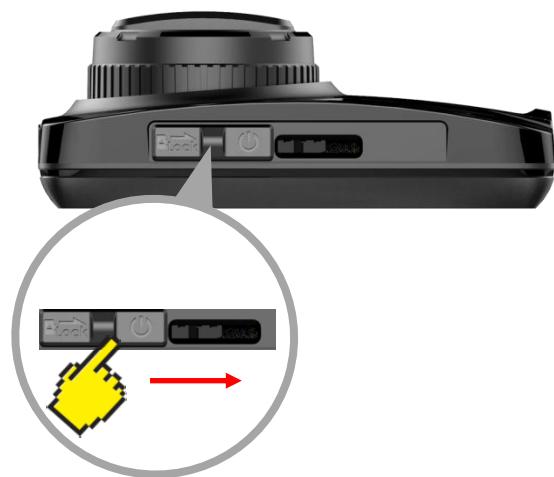
2.4 Connect to power

- 1、 Connect the cigarette car charger cable to the micro USB slot on the device.
- 2、 Connect the other side of the cigarette car charger cable to car.
※Red LED light on the device indicates device is recording; GREEN light indicates device on stand-by mode.

2.5 Device ON/OFF

2.5.1 Auto ON/OFF : When power button is switched to ON and the device and the car charger are connected, the device will turn on and off automatically according to the engine status. Automatic recording and saving functions will apply. (4.1 Automatic Recording)

2.5.2 Manual ON/OFF : Push power button to switch on and off.

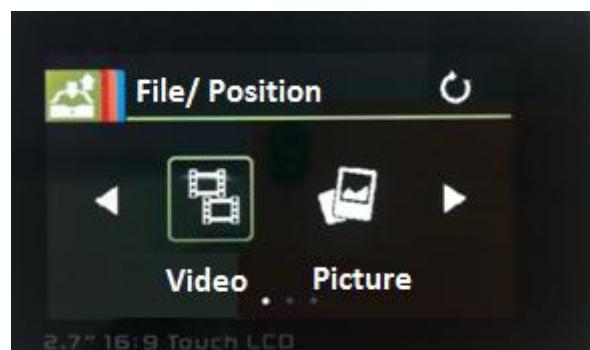
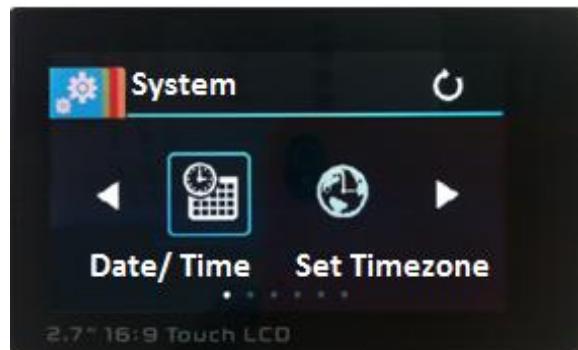


3、MENU

3.1 Main Menu

Press  and select on the upper left corner between four areas.

Icon	Description
	System
	File/Position
	Driving Safety
	Record



3.2 Functions

Main	Icon	Function	Description	Available Options
System 		Date/ Time	Set the time on the device	
		Set Timezone	Set UTC timezone	
		Time Sync.	Select if sync time with satellite	Off, On
		Beep	Control operation beeping sound volume	Off, Low, Normal, High
		Language Settings	Select operation language	English, Traditional Chinese, Simplified Chinese totaling to eleven languages
		LCD Setting	Set LCD on time	Off after 30 sec., Off after 3 min., On
		Satellite System	Select the satellite system	GPS, GLONASS
		Format	Format memory card. All files will be deleted	Yes, No
		Default Setting	Reset all settings to original setting	Yes, No
		Firmware Version	Show firmware version	

Main	Icon	Function	Description	Available Options
File/ Position 		Video	Play or delete videos	Delete one, delete all, fast forward/rewind, pause
		Picture	Play or delete photos	Delete one, delete all
		Emergency	Play or delete emergency files	Delete one, delete all, fast forward/backward, pause
		Add speed point	Add your own speed point	
		Delete speed point	Delete all self-set speed points	

Main	Icon	Function	Description	Available Options
Record 		Resolution	Select recording resolution	1080P/30fps, 720P/30fps 720P/60fps
		EV	Manually adjust exposure value	-2.0~+2.0
		Video Duration	Set video file recording duration	3 min., 5 min.
		Automatic Record	Automatically records	Off, On
		Voice Record	Record voice	Off, On
		Time Stamp	Inserting time mark in video	Off, On
		WDR	Wide Dynamic Range	Off, On

Main	Icon	Function	Description	Available Options
Driving Safety 		LDWS	Lane Departure Warning System: alert driver when driving above 50km/h and departing from lane (Details see 5.8)	Off, On
		Speed Cam Alert	Alert when fixed point speed cam detected	Off, On
		Speed Limit Alert	Customized speed limit margin	Off、 50km/h~200km/h
		Driver Fatigue Alert	Alert every 30 mins after recording over one hour	Off, On
		Motion Detection	Start recording when motion detected	Off, on
		Collision Detection	Set G-Sensor sensitivity and record as emergency file when collision detected while recording	Off, low sensitivity, normal sensitivity, high sensitivity

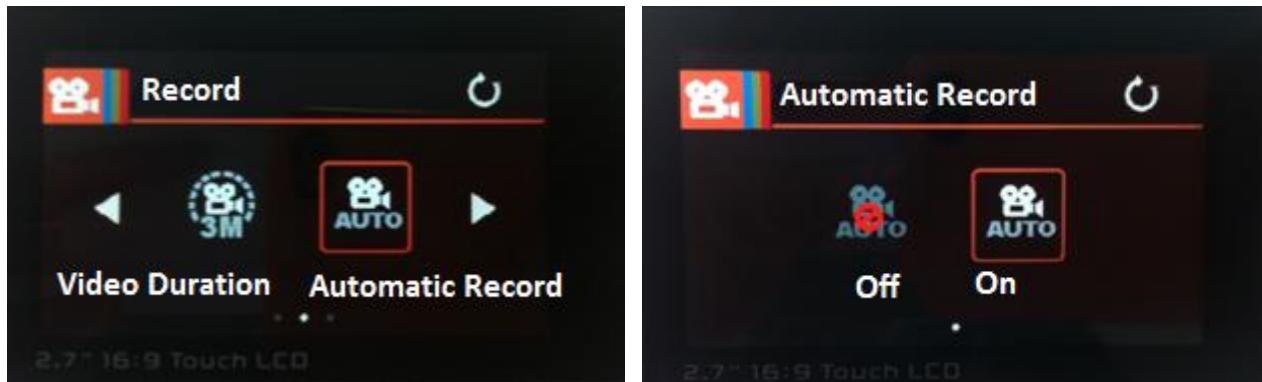
※Functions listed above are for reference only. Please drive according to local traffic regulations.

※Fixed point speed camera alert does not detect radar speed cameras.

4. Initial Set-Up

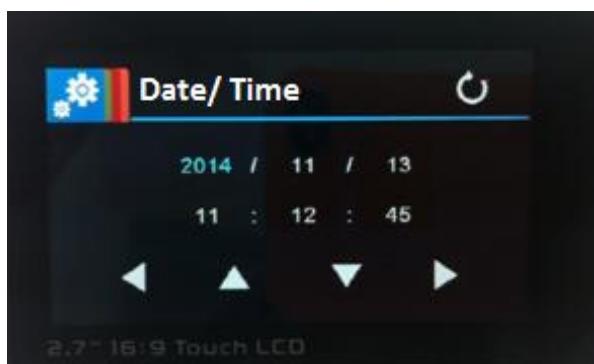
4.1 Set Automatic Recording

In default mode, click  and then  to select **Automatic Record**, select **on**, and click on  to return to Record Menu.



4.2 Set Time and Date

In default mode, click  and then  to select **Date/Time**. Use     to set the correct time and date. Click  to return to System Menu.



※To ensure operational fluency, please connect to external power supply when setting up the first time.

5、Recording

5.1 Recording Screenshot



No.	Item	Description	No.	Item	Description
(1)	Battery	Show battery status	(7)	Add Speed Point	Add speed point for current location
(2)	Driving Info	Show driving info	(8)	Date/Time	Show current date and time
(3)	Recording	Stop and start recording	(9)	LED Indicator	Show device status
(4)	Emergency Recording	Start emergency recording	(10)	Record Time	Show elapsed time
(5)	Snapshot	Snapshot during recording. See 5.7.	(11)	GPS Signal	Show GPS status and signal strength
(6)	Menu	Enter main menu			

5.2 Recording

In default mode, click  to start recording. Date and time elapsed will show on the upper left corner on the screen.

5.3 Automatic Recording

When automatic recording mode is on, the device will start recording once on.

5.4 Stop Recording

While recording, click  to stop recording.

5.5 Stop Recording by Shutting Down

Recording will stop and files will be saved upon device shutted down.

5.6 Emergency Recording

5.5.1 While recording, click on  to start emergency recording. “Emergency” in red font will show on the lower left corner of the screen. Files recorded under emergency recording will not be overwritten by normal files. Click on  to stop recording.

5.5.2 When collision detection is on, emergency recording will be initiated when collision is detected by the device while it is on.

5.5.3 An 8GB memory card saves approximately 10 emergency recording files.

5.7 Snapshot during Recording

In recording mode, click on  for taking a snapshot. When a snapshot is taken,  will show on the screen.

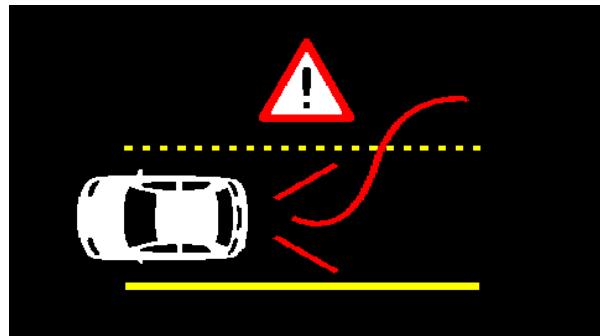


5.8 Lane Departure Warning System

5.8.1 When LDWS is on,  will show on the screen. Please adjust the installation position of the device so that the yellow horizontal line matches the horizon on the road and that the yellow vertical line is in the middle of the driving lane.



5.8.2 LDWS alert function is only available when GPS position completed and current driving speed is above 50km/h. A voice alert and the icon below will then appear when driver diverts from the original lane.



- ※ GPS positioning must be completed for the LDWS to function. Please check GPS signal when wish to initiate the function.
- ※ LDWS, Speed Cam Alert, Add Speed Point, Driver Fatigue Alert and Collision Detectino operate only when device is connected to external power supply.

5.9 Driver Fatigue Alert

When Driver Fatigue Alert function is on, a voice alert and an icon will appear every thirty minutes after recording over an hour.



5.10 Add Speed Point

When GPS positioning is completed, user can add speed point using one of the following methods.

5.10.1 In default mode, click  and then  to enter the File/PositionMenu. Click on **Add Speed Point**.

5.10.2 Click on  on the left side of the screen in both default and recording mode.



5.11 Instant Driving Info Display

To get instant feedback of the current driving info when the GPS positioning is complete, click on  to view. Touch anywhere on the screen to exit.

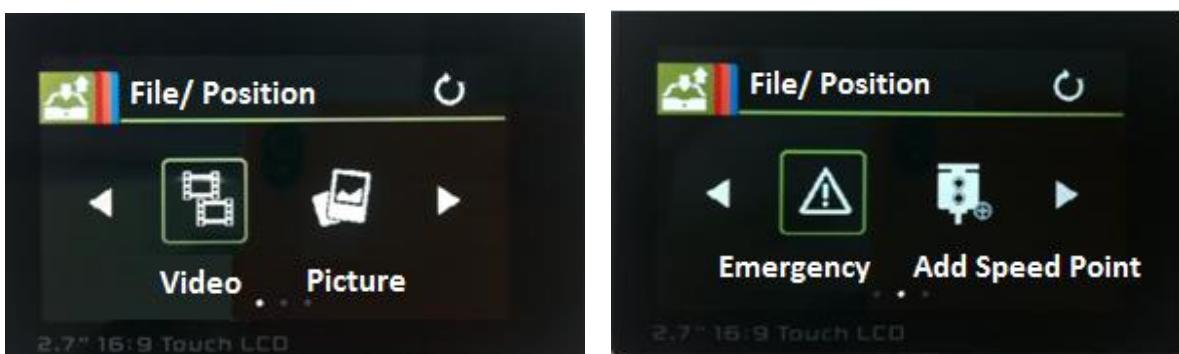


No.	Item	No.	Item
①	Current Speed	③	Compass
②	Current Time	④	Current Speed Point

6、File Playback

6.1 Video Playback

6.1.1 In default mode, click on  and  to enter the File/ Position Menu.
Click on **Video** or **Emergency**.

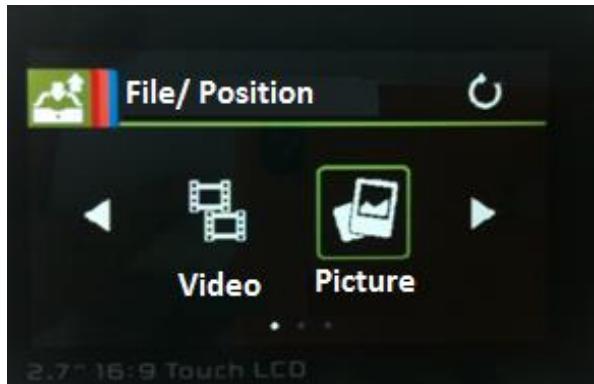


6.1.2 Use   to select file. For video playback, simply click on  after selecting. Click on  to return to the previous section.



6.2 View Snapshot

6.2.1 In the default mode, click on  and  to enter the File/ Position Menu. Click on **Picture** to view six snapshots once.



6.2.2 Use   to select the snapshot to view in full screen. Click on  to return to the previous section.

6.3 Playback Screenshot

Video Playback Screenshot



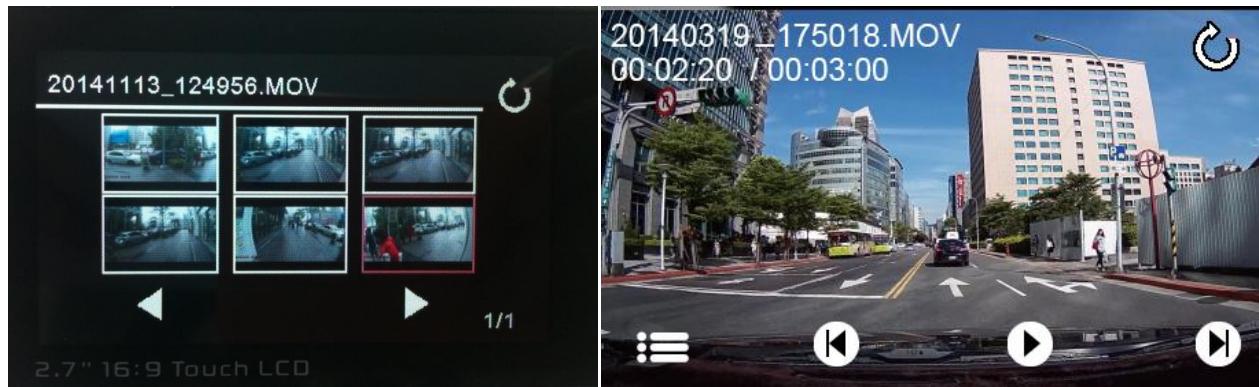
Snapshot Playback Screenshot



No.	Icon	Item	Description
①	20140319_175018.MOV	File Name	File name of currently displayed file
②	00:02:20 / 00:03:00	Elapsed Time/ Total Length	Show time elapsed and total length of the recording
③		Menu	Click to delete
④	/	Previous File/ Rewind	Click on to go to previous file. Click on to rewind the video in 2X or 4X speed.
⑤	/	Play/ Pause	Click to play or pause the video
⑥	/	Next File/ Fast Forward	Click on to go to the next file. Click on to fast forward the video in 2X or 4X speed.
⑦		Return	Click to return to previous section. Click multiple times to return to recording screen.

7、Delete Files

In default mode, click on  and  to enter the File/ Position Menu. Select from **Video**, **Picture**, **Emergency** to view six files at once. Use   to select a file to delete.



8、PC Access and DVR Player

8.1 Extract from Micro SD card

8.1.1 While the device is off, connect it with memory card inside with USB cable to the computer. “USB Connecting” will show on the screen. The device will act as a floppy disk.

8.1.2 Remove the memory card from the device and access it via a card reader on the computer.

8.1.3 Three folders are in the memory card: “EVENT” for emergency recordings, “VIDEO” for regular recordings, “JPG” for snapshots.

※ As emergency recordings are saved to the EVENT folder, when finding unsequential recordings in the VIDEO folder, please retrieve the missing files in the EVENT folder.

8.2 DVR Player : Installation, Interface and Playback

8.2.1 System Requirements:

CPU: Intel Core 2 Duo E6600 or AMD Phenom X3 8850 or above

RAM:1G or above

Operating System: Windows XP or above

8.2.2 Installation:

Execute Install_CD.exe in the CD for installing the DVR Player.

8.2.3 Software Interface



No.	Item	No.	Item
(1)	Video Display	(9)	File Location
(2)	Play/Pause	(10)	Folder
(3)	Previous	(11)	File List
(4)	Next	(12)	File Name
(5)	Stop	(13)	Volume
(6)	Google Map Display	(14)	Elapsed Time/ Recording Length
(7)	Compass	(15)	GPS Signal Strength
(8)	Speedometer	(16)	G-Sensor Info

- ※ Please check internet connection for Google Map display.
- ※ To see both the recording and the GPS info, the video files (MOV/TS) and the GPS/G-Sensor info file (NMEA) must remain in the same folder.

Abee V53T GPS Full HD Car Camera Recorder

Display	2.7" 16:9 capacitive touch screen
Image Sensor	New generation low-light CMOS
DSP	Advanced technology noise reduction high speed processor
Lens	140° flat wide angle, all-glass with IR filter
GPS Module	Built-in U-blox 7 duo satellite receiving module
Resolution	Full HD 1920×1080 (30fps) HD 1280×720 (60fps/30fps)
Format	MOV
Compression	H.264
Duration	Set recording duration at 3. min or 5 min.
Power Supply	Car cigarette charger (INPUT : 12V~24V ; OUTPUT : DC5V/1A) Built-in high temperature resistant lithium polymer battery
External Memory	Micro SD card (8GB-32GB) , SDHC Class 10 or above
LED Indicator	Green: On; Red: Recording
Operation Temperature	0°C ~60°C
Storage Temperature	-20°C ~70°C
International Certifications	BSMI / CE / FCC / RoHS
Dimensions	80 x 51 x 30.5mm
Weight	~82g

※ Abee works to ensure the accuracy and completeness of our user manual. Please kindly advise customer service should there be any mistake or point missing. All specifications are subject to changes. Abee reserves the right to modify the specification without prior notice to customer.



D32170

